FIG.1

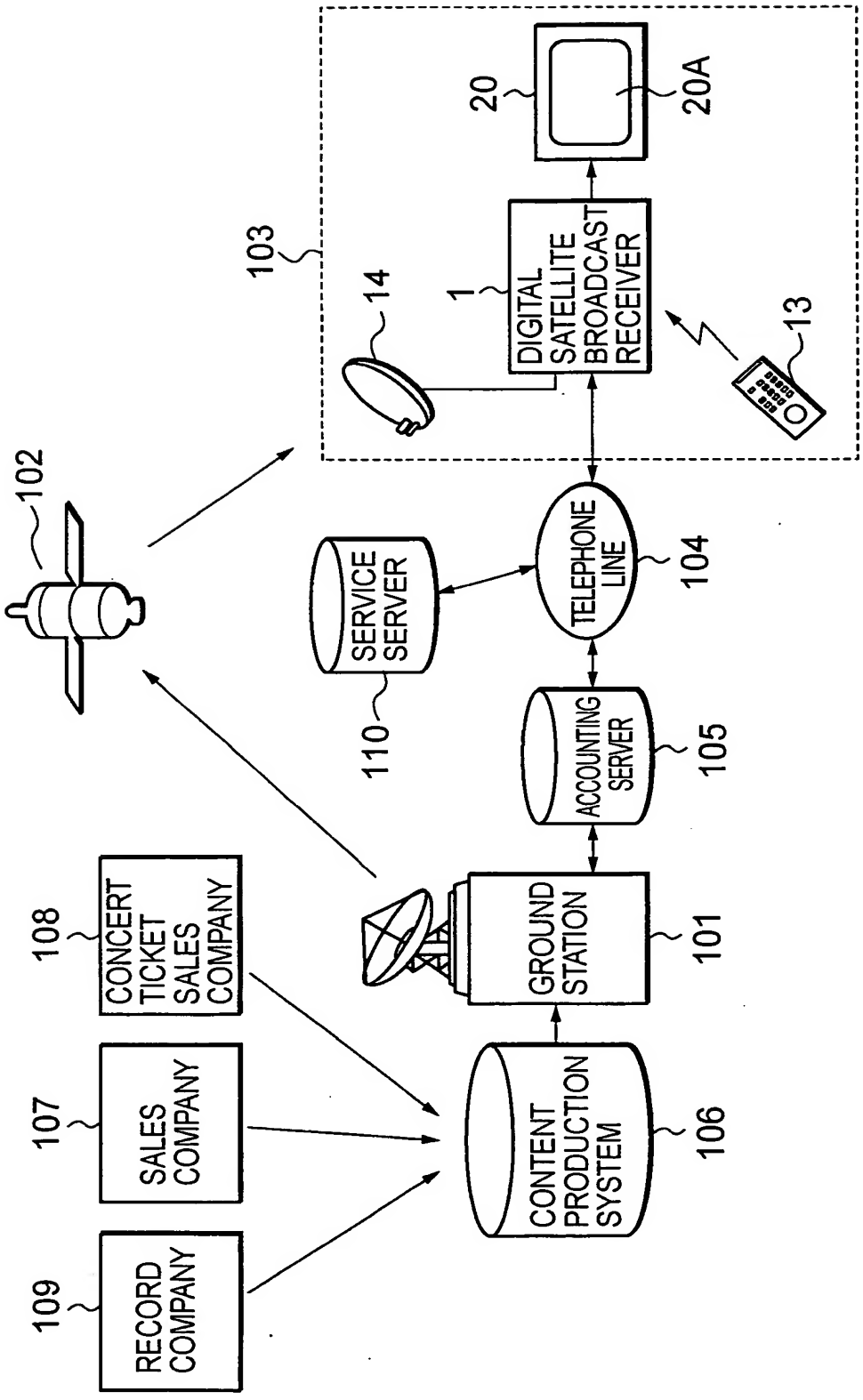

103
20
20A
14
1
DIGITAL SATELLITE BROADCAST RECEIVER
13
102
SERVICE SERVER
110
TELEPHONE LINE
104
ACCOUNTING SERVER
105
GROUND STATION
101
CONTENT PRODUCTION SYSTEM
106
108
CONCERT TICKET SALES COMPANY
107
SALES COMPANY
109
RECORD COMPANY

FIG.2

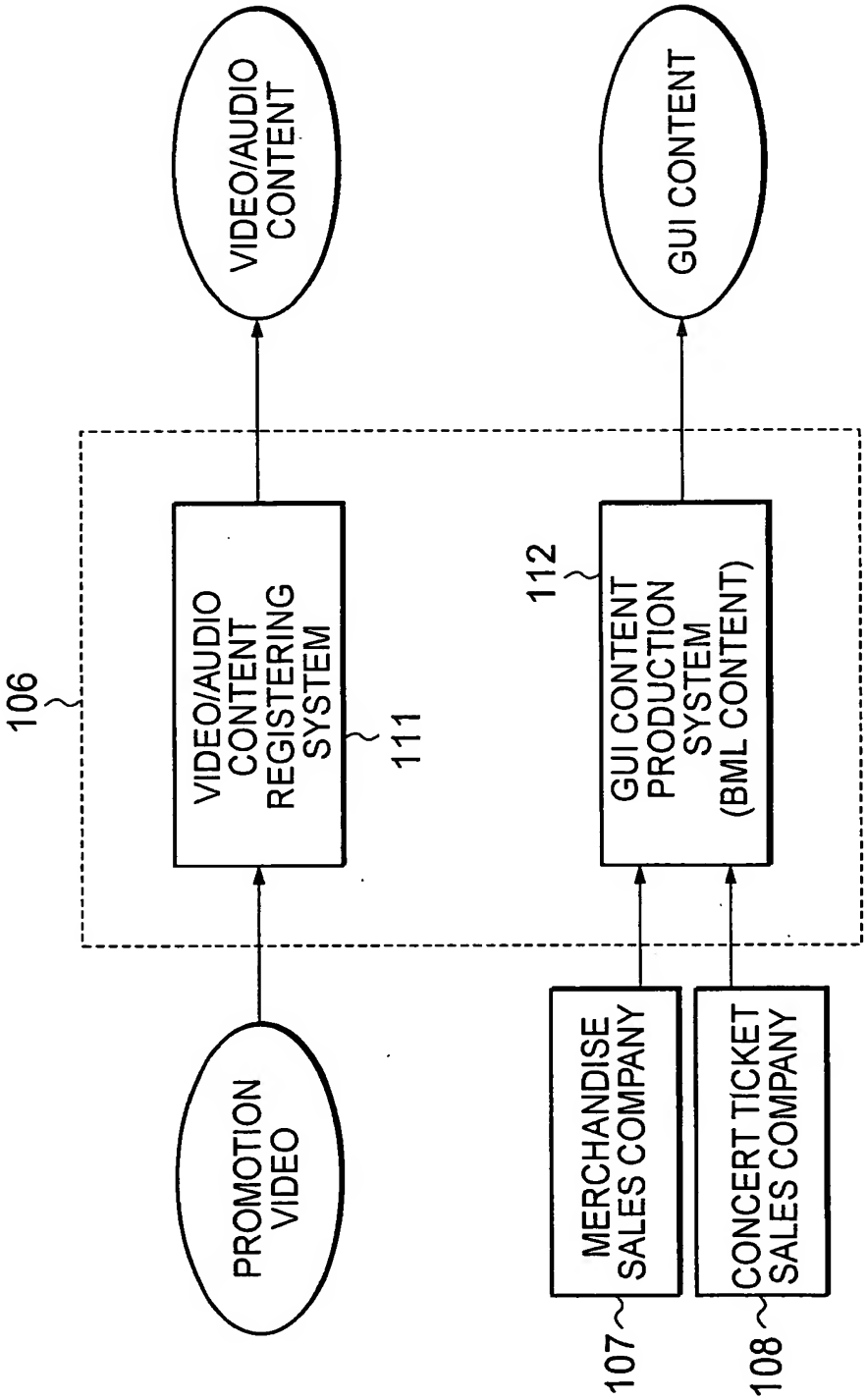

VIDEO/AUDIO CONTENT
GUI CONTENT
106
VIDEO/AUDIO CONTENT REGISTERING SYSTEM
111
112
GUI CONTENT PRODUCTION SYSTEM (BML CONTENT)
PROMOTION VIDEO
MERCHANDISE SALES COMPANY
CONCERT TICKET SALES COMPANY
107
108

FIG.3

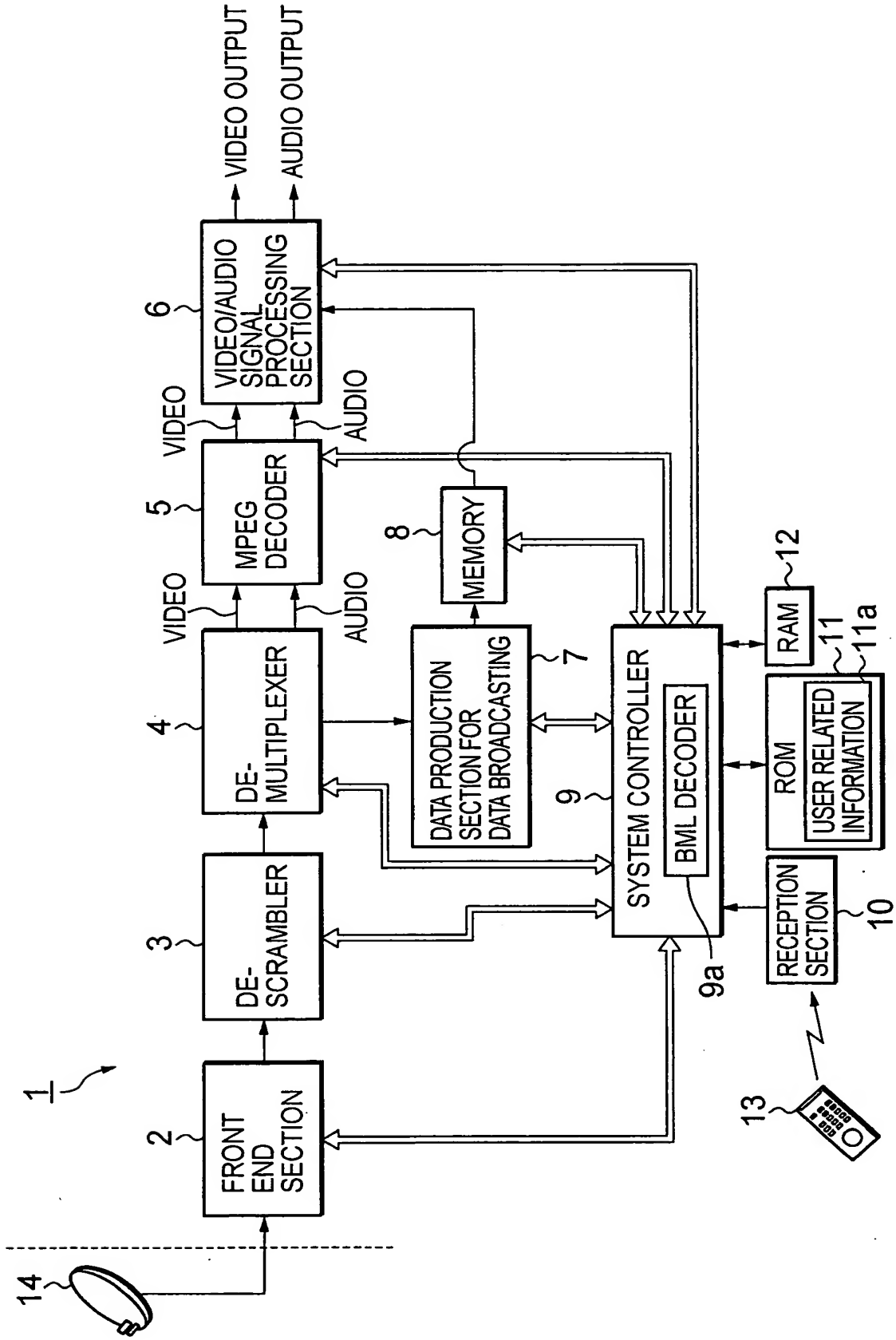

1
2
FRONT END SECTION
3
DE-SCRAMBLER
4
DE-MULTIPLEXER
5
MPEG DECODER
6
VIDEO/AUDIO SIGNAL PROCESSING SECTION
7
DATA PRODUCTION SECTION FOR DATA BROADCASTING
8
MEMORY
9
SYSTEM CONTROLLER
9a
BML DECODER
10
RECEPTION SECTION
11
ROM
11a
USER RELATED INFORMATION
12
RAM
13
14
VIDEO
AUDIO
VIDEO OUTPUT
AUDIO OUTPUT

FIG.4

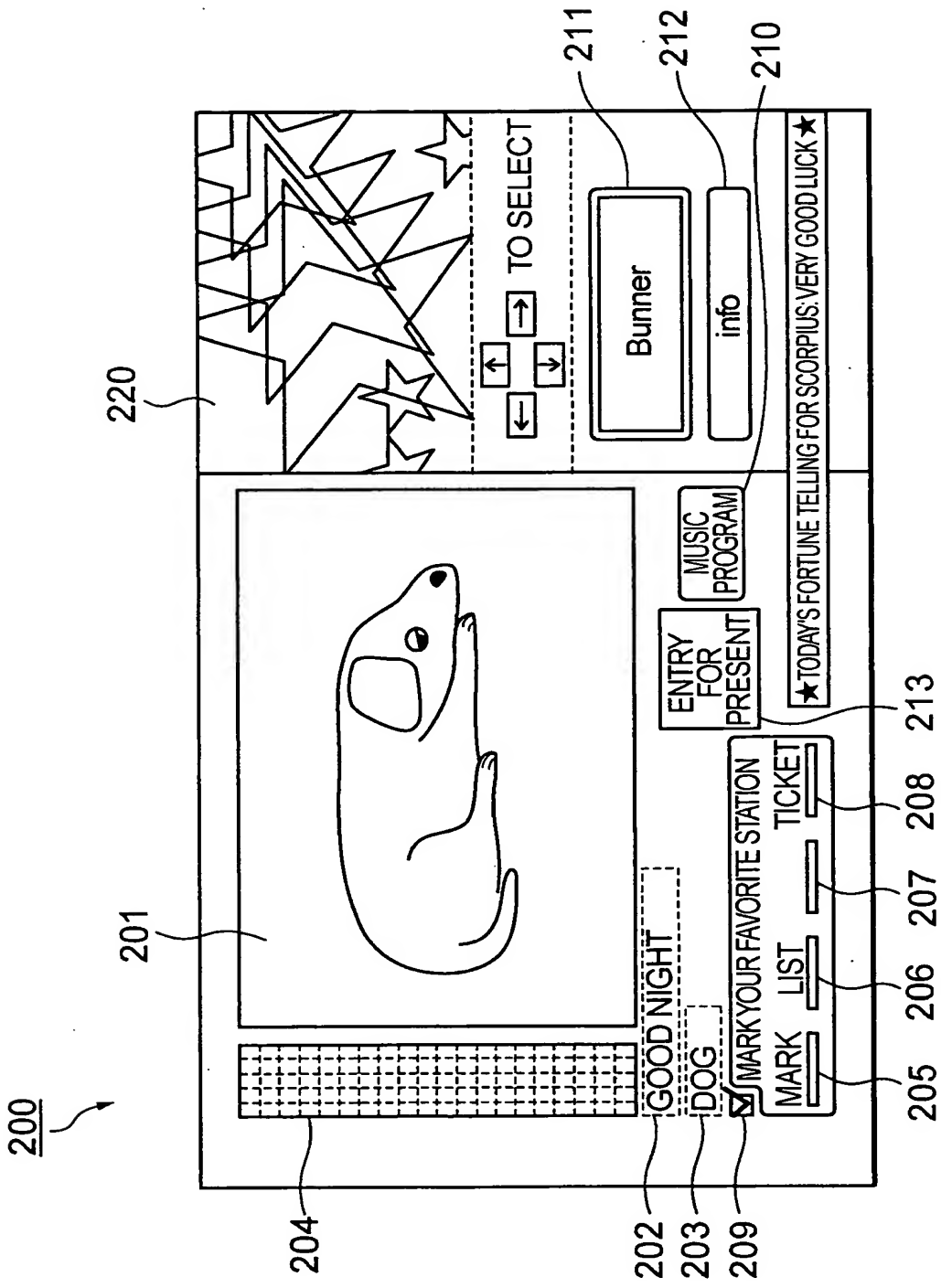

200
201
202
203
204
205
206
207
208
209
210
211
212
213
220
GOOD NIGHT
DOG
MARK YOUR FAVORITE STATION
MARK
LIST
TICKET
ENTRY FOR PRESENT
MUSIC PROGRAM
★TODAY'S FORTUNE TELLING FOR SCORPIUS:VERY GOOD LUCK★
TO SELECT
Bunner
info

FIG.5A

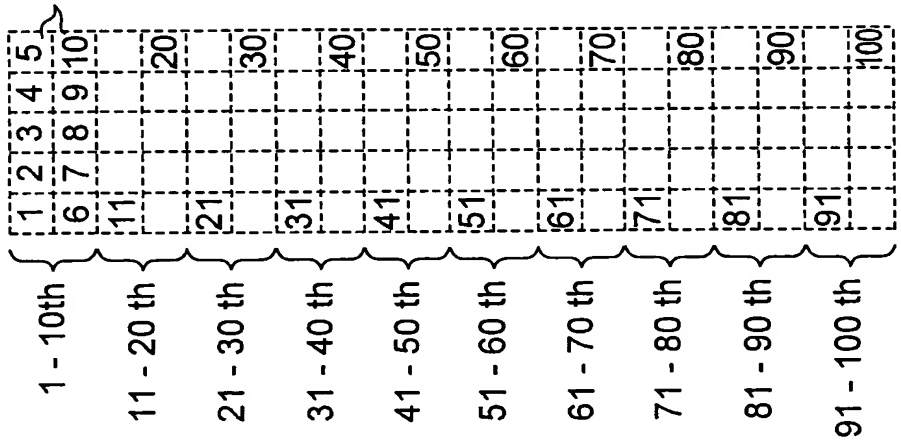


FIG.5B

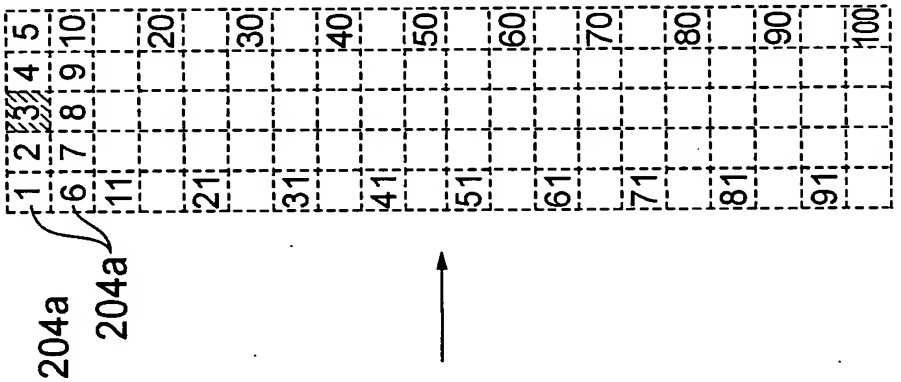


FIG.5C

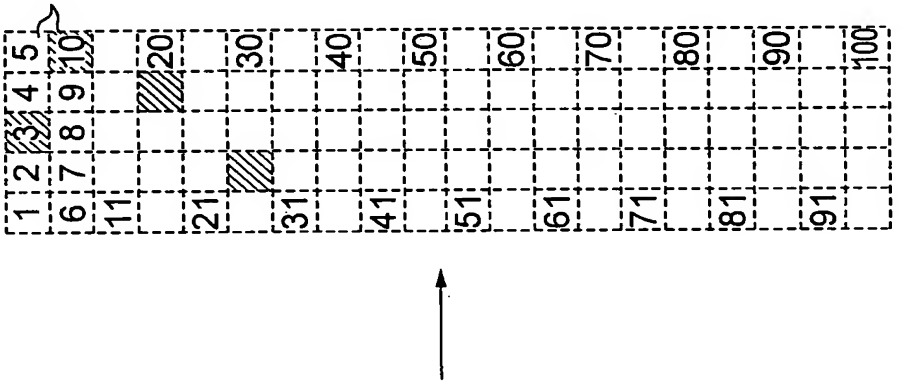


FIG.5D

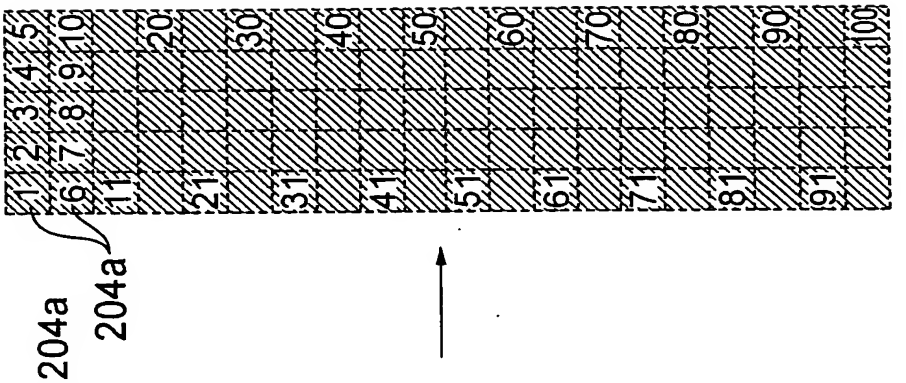


FIG.6

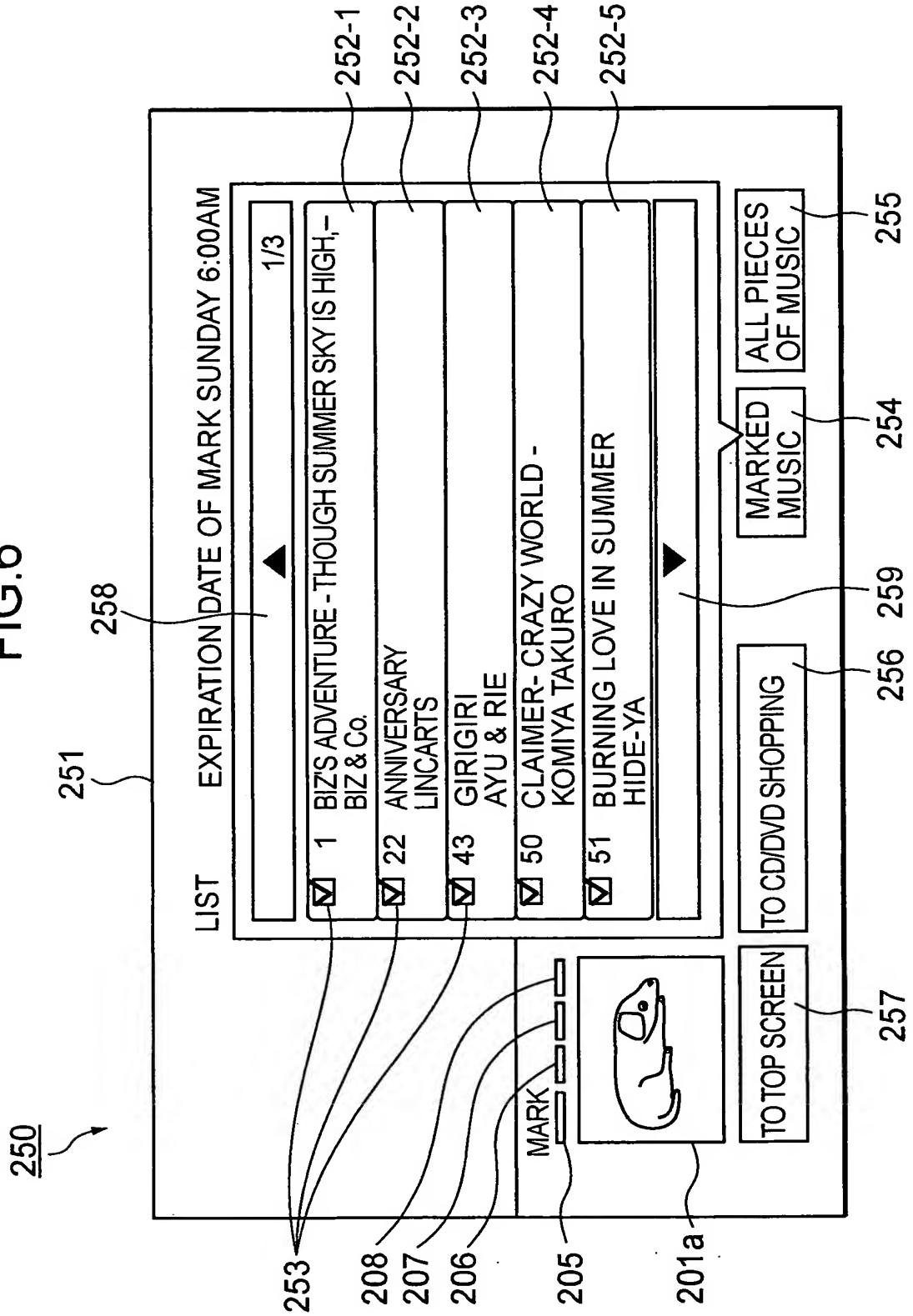

250
251
258
LIST
EXPIRATION DATE OF MARK SUNDAY 6:00AM
1/3
1 BIZ'S ADVENTURE - THOUGH SUMMER SKY IS HIGH,- BIZ & Co.
22 ANNIVERSARY LINCARTS
43 GIRIGIRI AYU & RIE
50 CLAIMER- CRAZY WORLD - KOMIYA TAKURO
51 BURNING LOVE IN SUMMER HIDE-YA
MARK
ALL PIECES OF MUSIC
MARKED MUSIC
TO CD/DVD SHOPPING
TO TOP SCREEN
252-1
252-2
252-3
252-4
252-5
255
254
259
256
257
253
208
207
206
205
201a

FIG.7

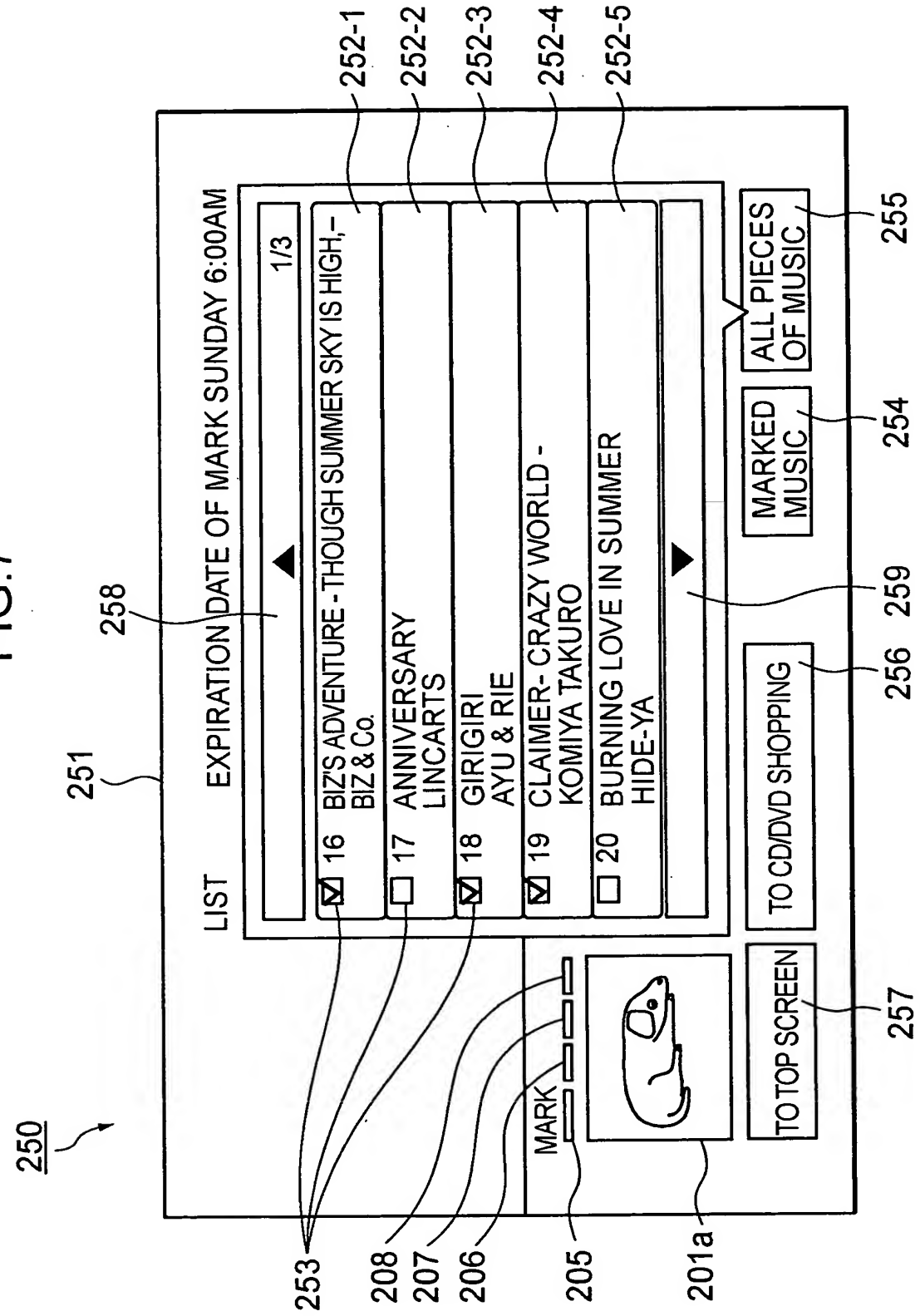

250
251
258
252-1
252-2
252-3
252-4
252-5
LIST
EXPIRATION DATE OF MARK SUNDAY 6:00AM
1/3
16 BIZ'S ADVENTURE - THOUGH SUMMER SKY IS HIGH,- BIZ & Co.
17 ANNIVERSARY LINCARTS
18 GIRIGIRI AYU & RIE
19 CLAIMER- CRAZY WORLD - KOMIYA TAKURO
20 BURNING LOVE IN SUMMER HIDE-YA
ALL PIECES OF MUSIC
MARKED MUSIC
TO CD/DVD SHOPPING
TO TOP SCREEN
MARK
253
208
207
206
205
201a
255
254
259
256
257

FIG.8

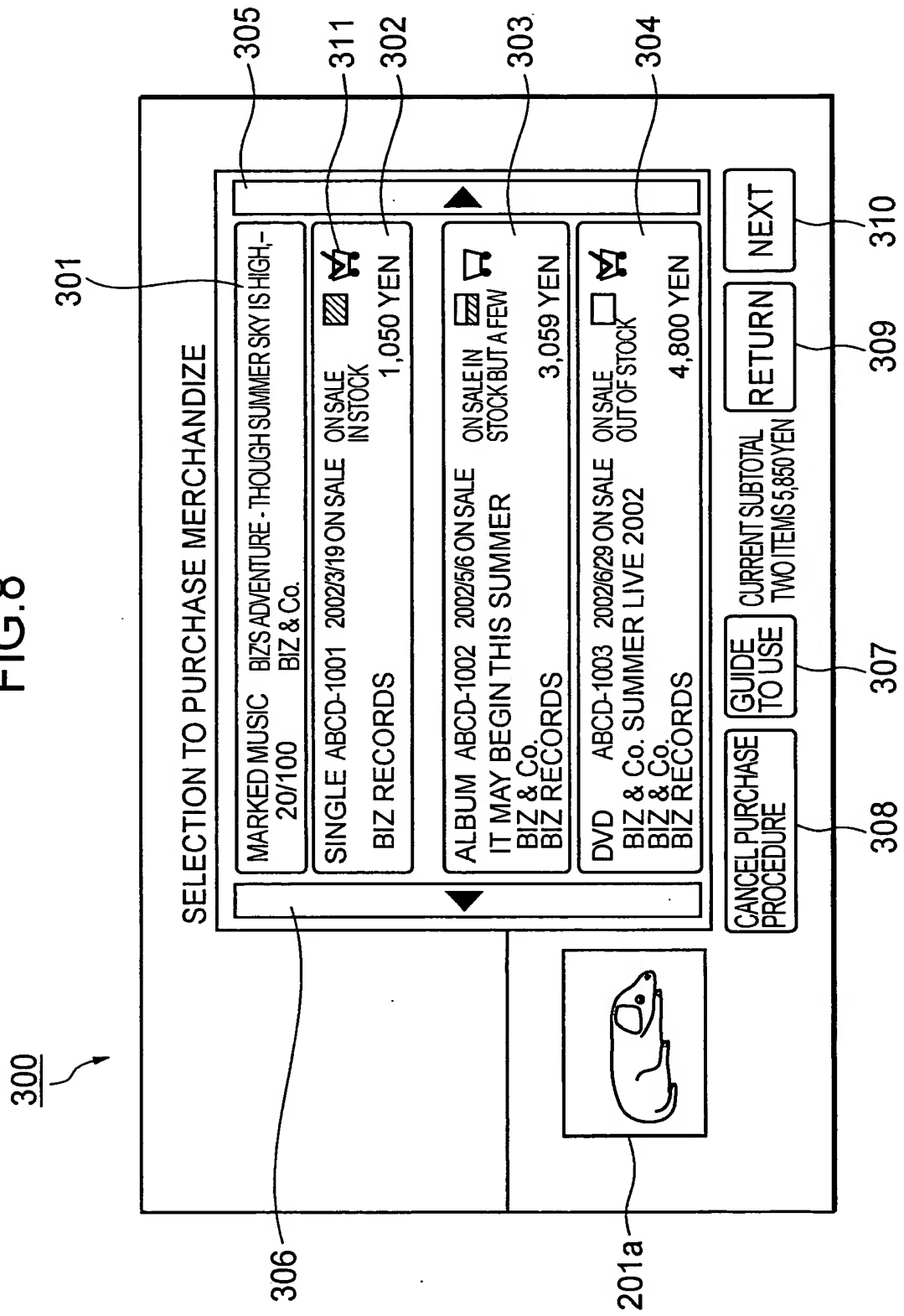

300
301
SELECTION TO PURCHASE MERCHANDIZE
MARKED MUSIC BIZ'S ADVENTURE - THOUGH SUMMER SKY IS HIGH,-
20/100 BIZ & Co.
SINGLE ABCD-1001 2002/3/19 ON SALE ON SALE IN STOCK
BIZ RECORDS 1,050 YEN
ALBUM ABCD-1002 2002/5/6 ON SALE ON SALE IN STOCK BUT A FEW
IT MAY BEGIN THIS SUMMER
BIZ & Co.
BIZ RECORDS 3,059 YEN
DVD ABCD-1003 2002/6/29 ON SALE ON SALE OUT OF STOCK
BIZ & Co. SUMMER LIVE 2002
BIZ & Co.
BIZ RECORDS 4,800 YEN
CANCEL PURCHASE PROCEDURE
GUIDE TO USE
CURRENT SUBTOTAL TWO ITEMS 5,850 YEN
RETURN
NEXT
305
311
302
303
304
310
309
307
308
306
201a

FIG.9

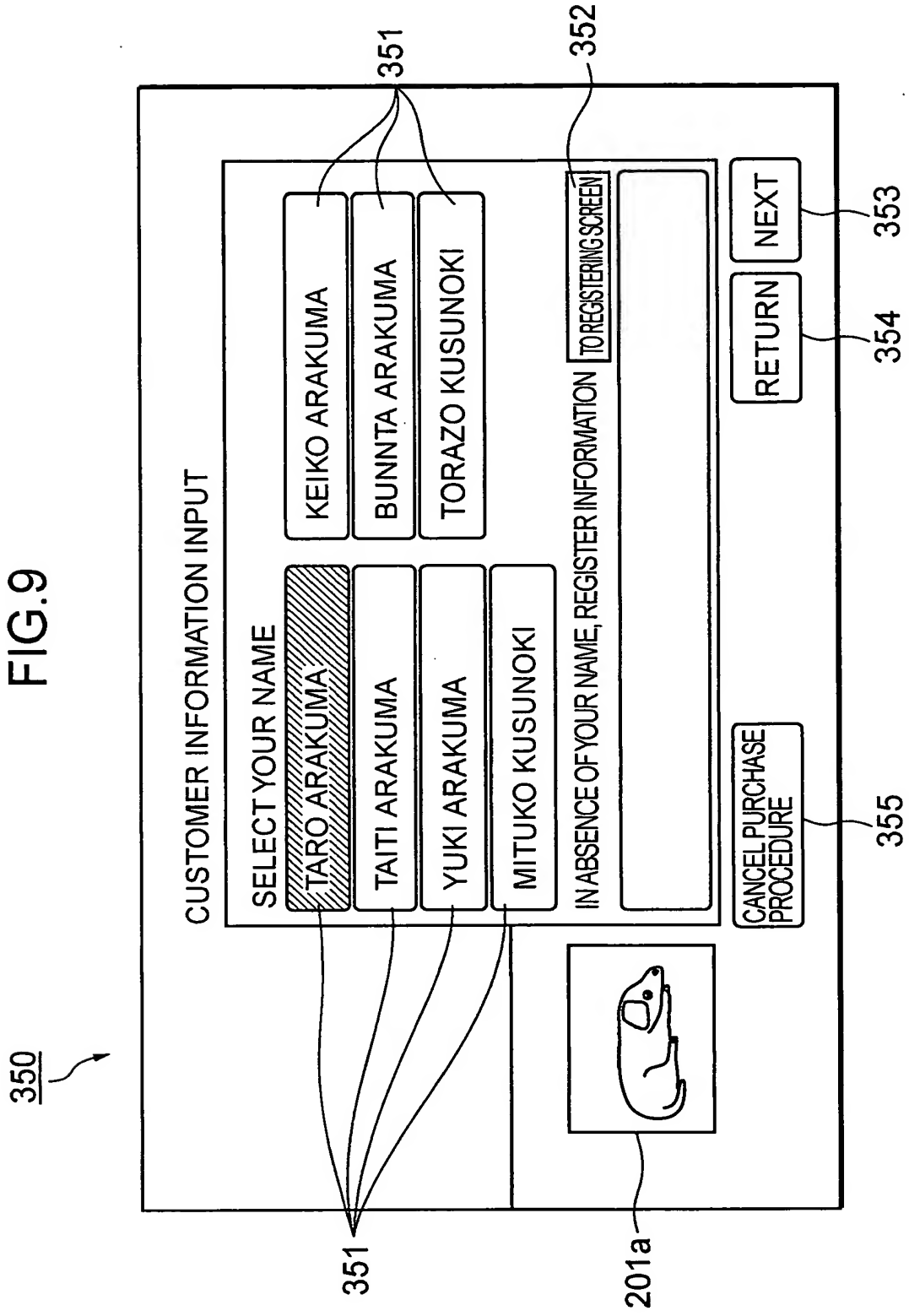

350
CUSTOMER INFORMATION INPUT
SELECT YOUR NAME
TARO ARAKUMA
TAITI ARAKUMA
YUKI ARAKUMA
MITUKO KUSUNOKI
KEIKO ARAKUMA
BUNNTA ARAKUMA
TORAZO KUSUNOKI
351
IN ABSENCE OF YOUR NAME, REGISTER INFORMATION
TO REGISTERING SCREEN
352
NEXT
353
RETURN
354
CANCEL PURCHASE PROCEDURE
355
201a

FIG.10

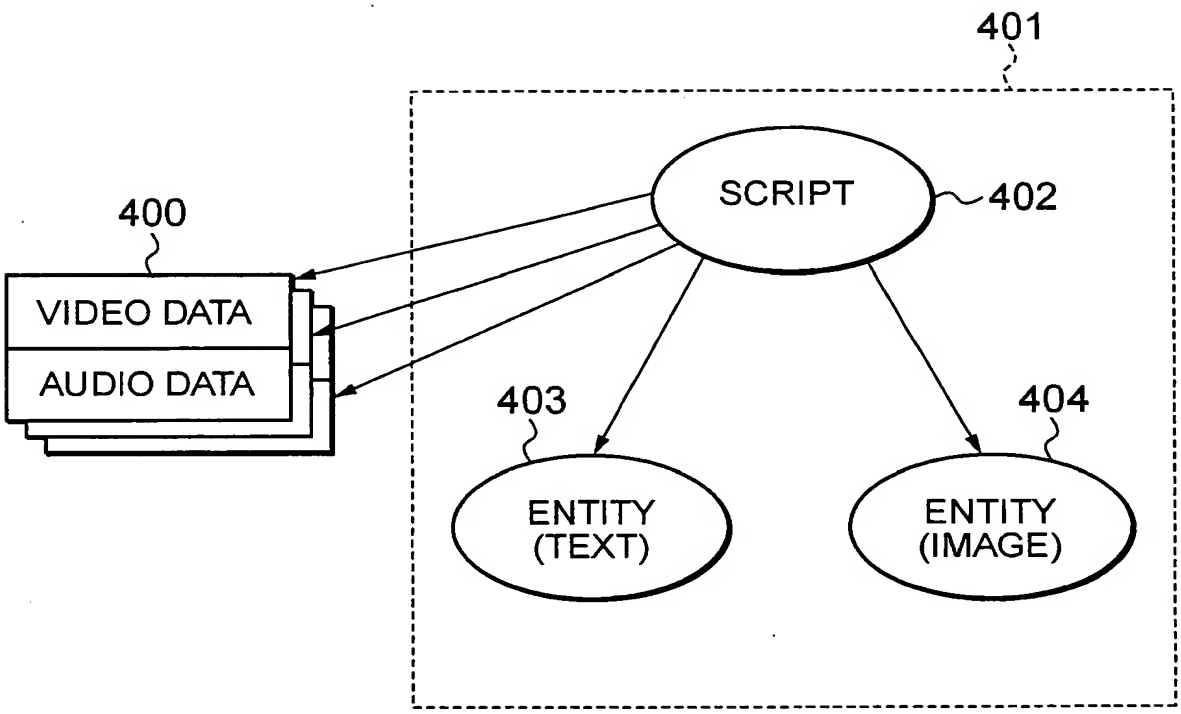

401
400
VIDEO DATA
AUDIO DATA
SCRIPT
402
403
ENTITY
(TEXT)
404
ENTITY
(IMAGE)

FIG.11

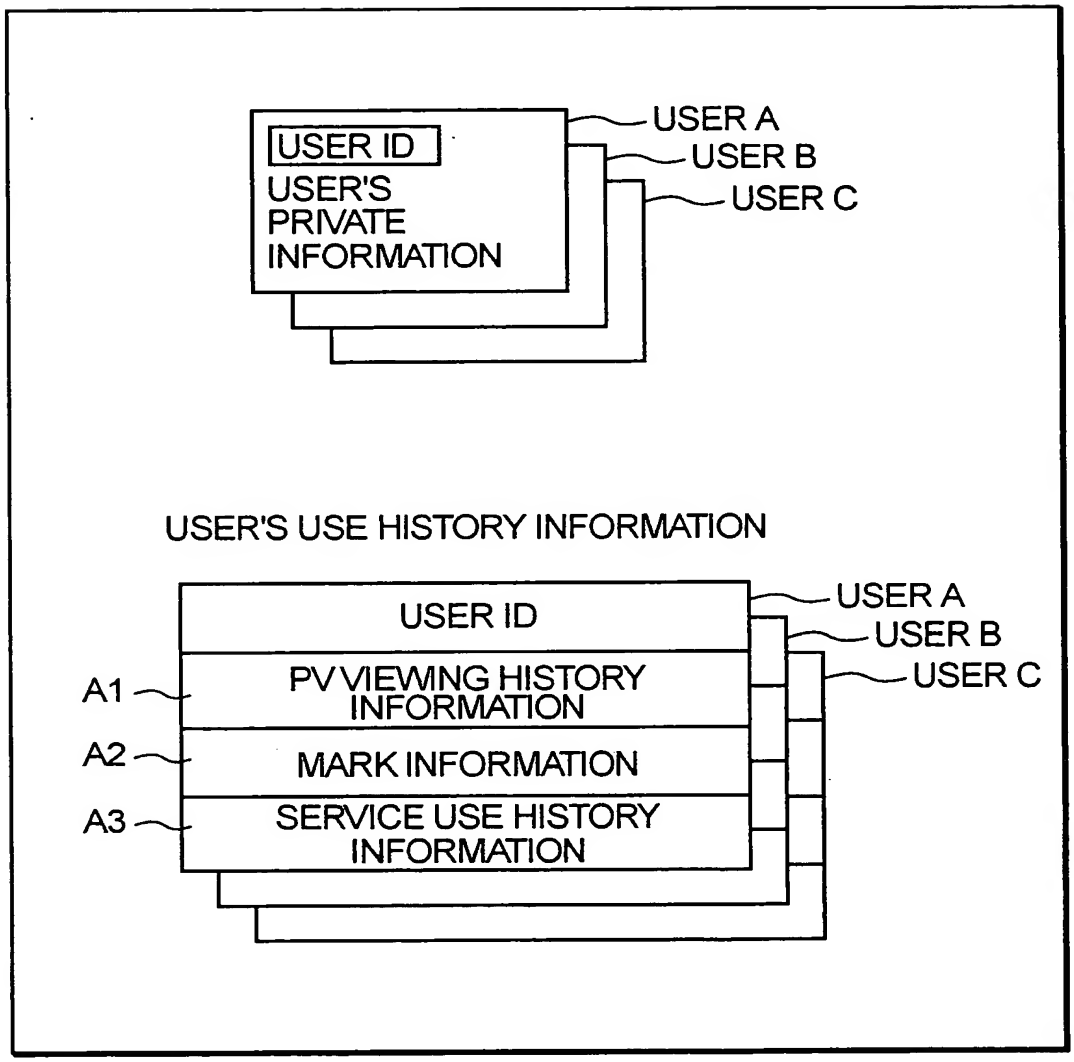

USER ID
USER'S PRIVATE INFORMATION
USER A
USER B
USER C
USER'S USE HISTORY INFORMATION
USER ID
PV VIEWING HISTORY INFORMATION
MARK INFORMATION
SERVICE USE HISTORY INFORMATION
A1
A2
A3
USER A
USER B
USER C

FIG.12

RANKING ORDER	CONTENT ID	THE NUMBER OF TIMES OF VIEWING
1	xxxxh	10
2	xxxxh	0
3	xxxxh	3
4	xxxxh	4
98	xxxxh	0
99	xxxxh	6
100	xxxxh	0

FIG.13

RANKING ORDER	CONTENT ID	MARK BIT
1	xxxxh	1 (ON)
2	xxxxh	0 (OFF)
3	xxxxh	0
4	xxxxh	1
98	xxxxh	0
99	xxxxh	1
100	xxxxh	0

FIG.14

1	SERVICE ID	USE DATE
2	SERVICE ID	USE DATE
3	SERVICE ID	USE DATE
7	SERVICE ID	USE DATE
8	SERVICE ID	USE DATE

FIG.15

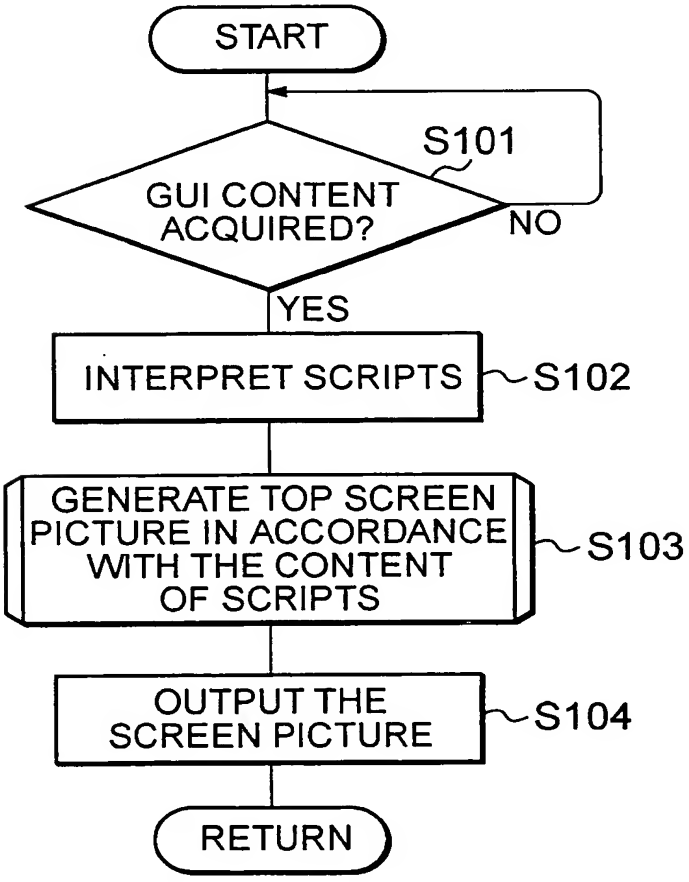


FIG.16

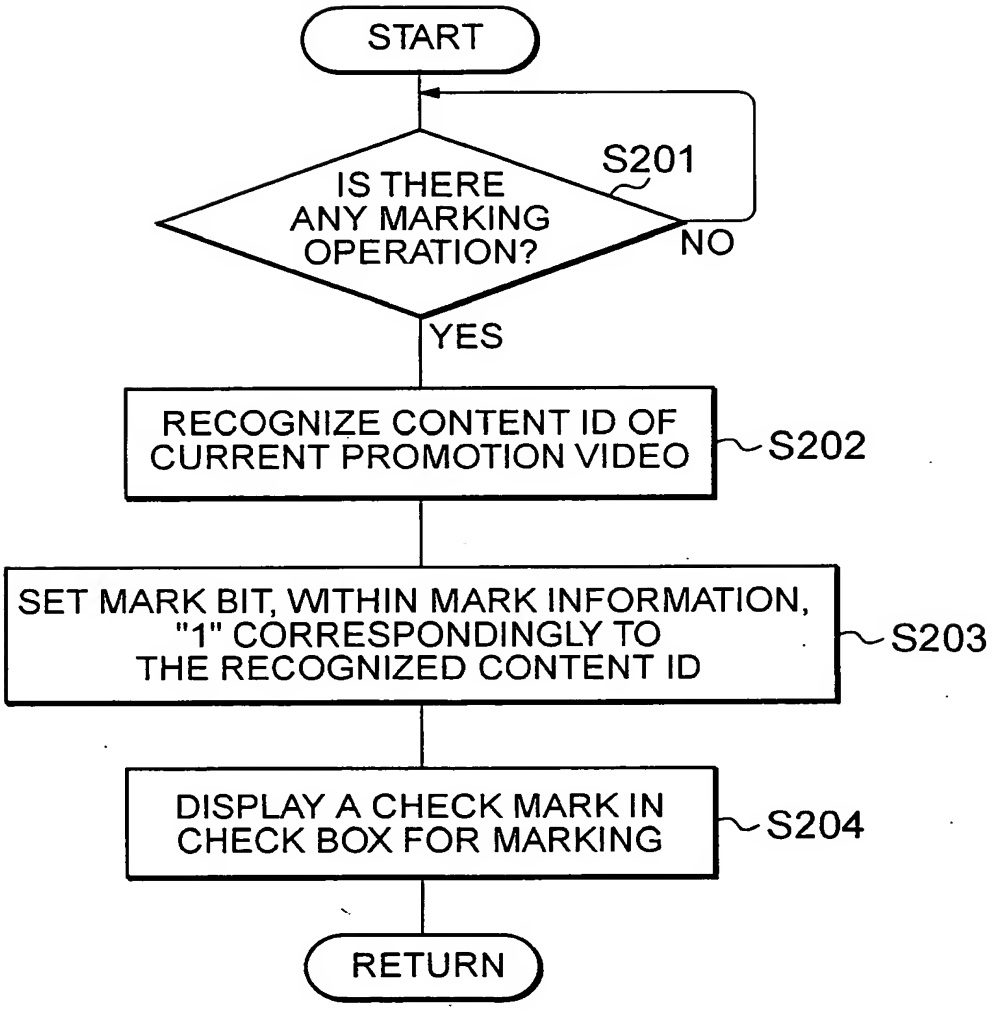

START
S201
IS THERE ANY MARKING OPERATION?
NO
YES
RECOGNIZE CONTENT ID OF CURRENT PROMOTION VIDEO
S202
SET MARK BIT, WITHIN MARK INFORMATION, "1" CORRESPONDINGLY TO THE RECOGNIZED CONTENT ID
S203
DISPLAY A CHECK MARK IN CHECK BOX FOR MARKING
S204
RETURN

FIG.17

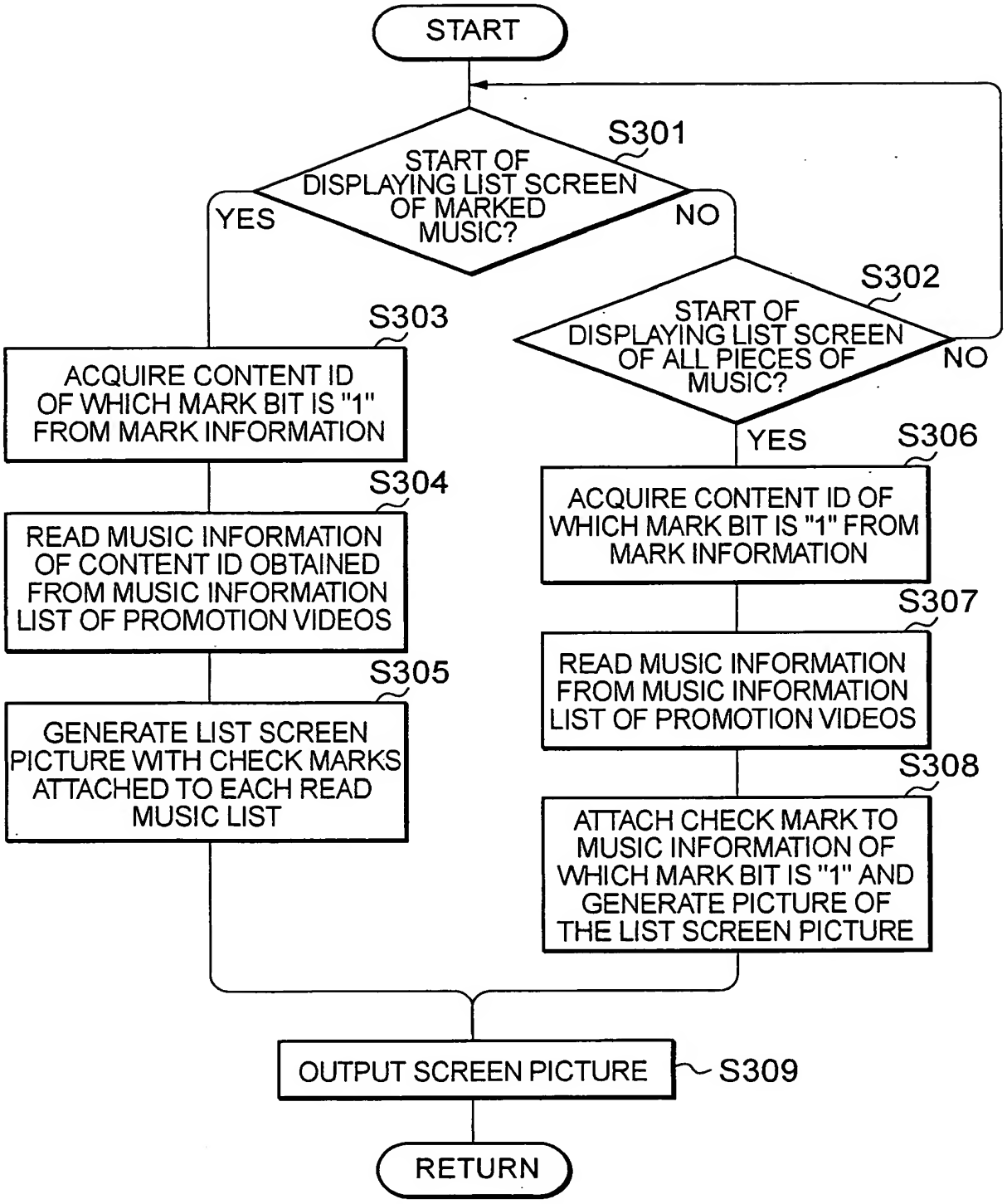

START
S301
START OF DISPLAYING LIST SCREEN OF MARKED MUSIC?
YES
NO
S302
START OF DISPLAYING LIST SCREEN OF ALL PIECES OF MUSIC?
NO
YES
S303
ACQUIRE CONTENT ID OF WHICH MARK BIT IS "1" FROM MARK INFORMATION
S304
READ MUSIC INFORMATION OF CONTENT ID OBTAINED FROM MUSIC INFORMATION LIST OF PROMOTION VIDEOS
S305
GENERATE LIST SCREEN PICTURE WITH CHECK MARKS ATTACHED TO EACH READ MUSIC LIST
S306
ACQUIRE CONTENT ID OF WHICH MARK BIT IS "1" FROM MARK INFORMATION
S307
READ MUSIC INFORMATION FROM MUSIC INFORMATION LIST OF PROMOTION VIDEOS
S308
ATTACH CHECK MARK TO MUSIC INFORMATION OF WHICH MARK BIT IS "1" AND GENERATE PICTURE OF THE LIST SCREEN PICTURE
OUTPUT SCREEN PICTURE
S309
RETURN

FIG.18

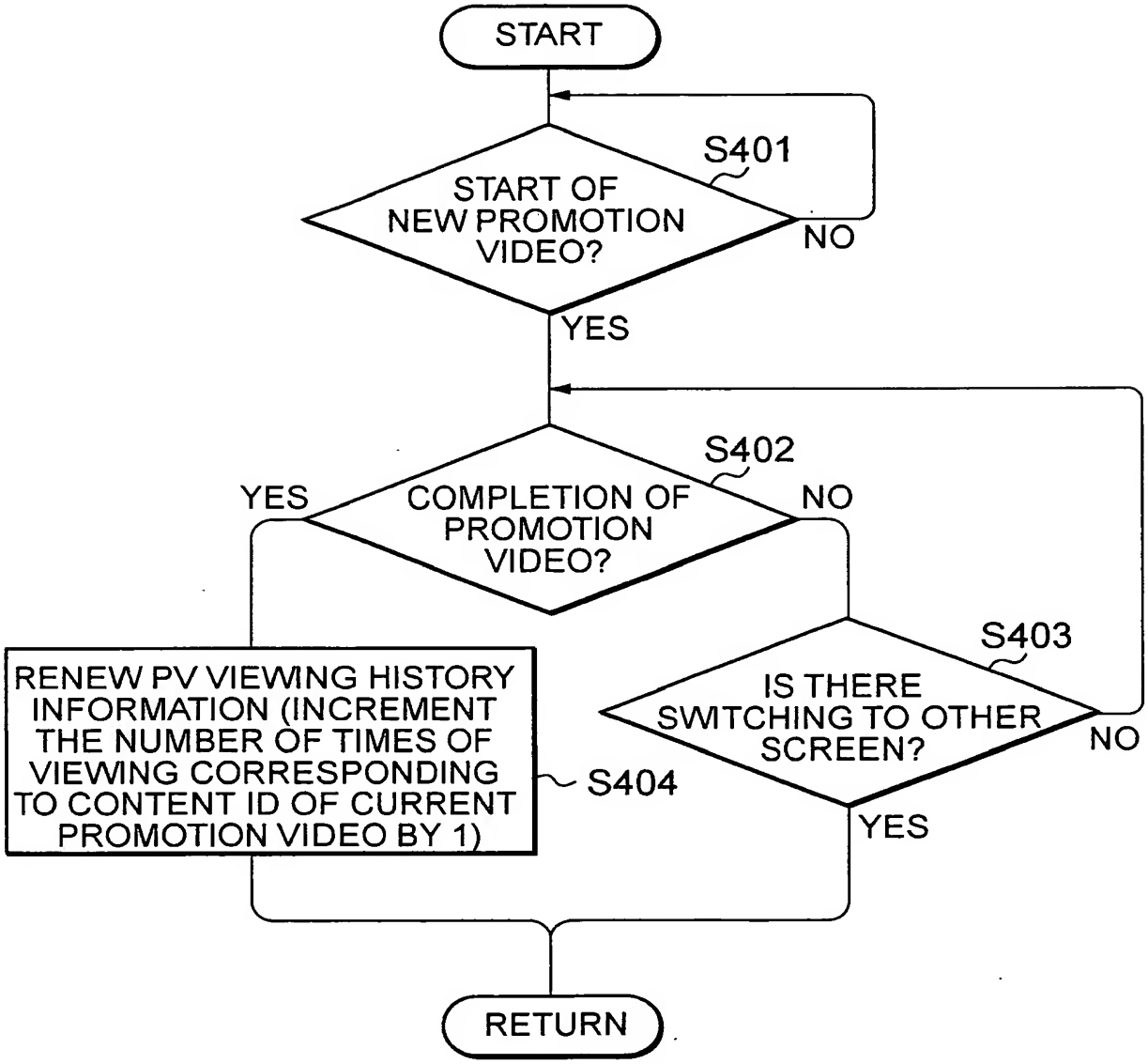

START
S401
START OF NEW PROMOTION VIDEO?
NO
YES
S402
YES
COMPLETION OF PROMOTION VIDEO?
NO
S403
IS THERE SWITCHING TO OTHER SCREEN?
NO
YES
RENEW PV VIEWING HISTORY INFORMATION (INCREMENT THE NUMBER OF TIMES OF VIEWING CORRESPONDING TO CONTENT ID OF CURRENT PROMOTION VIDEO BY 1)
S404
RETURN

FIG.19

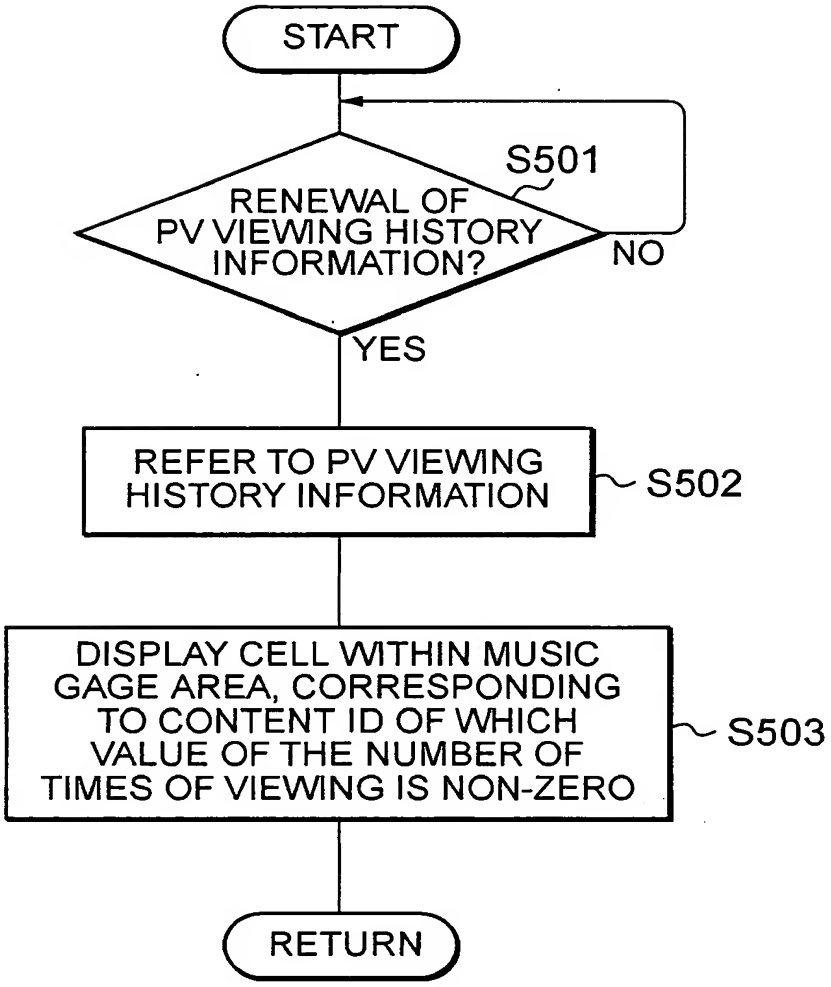
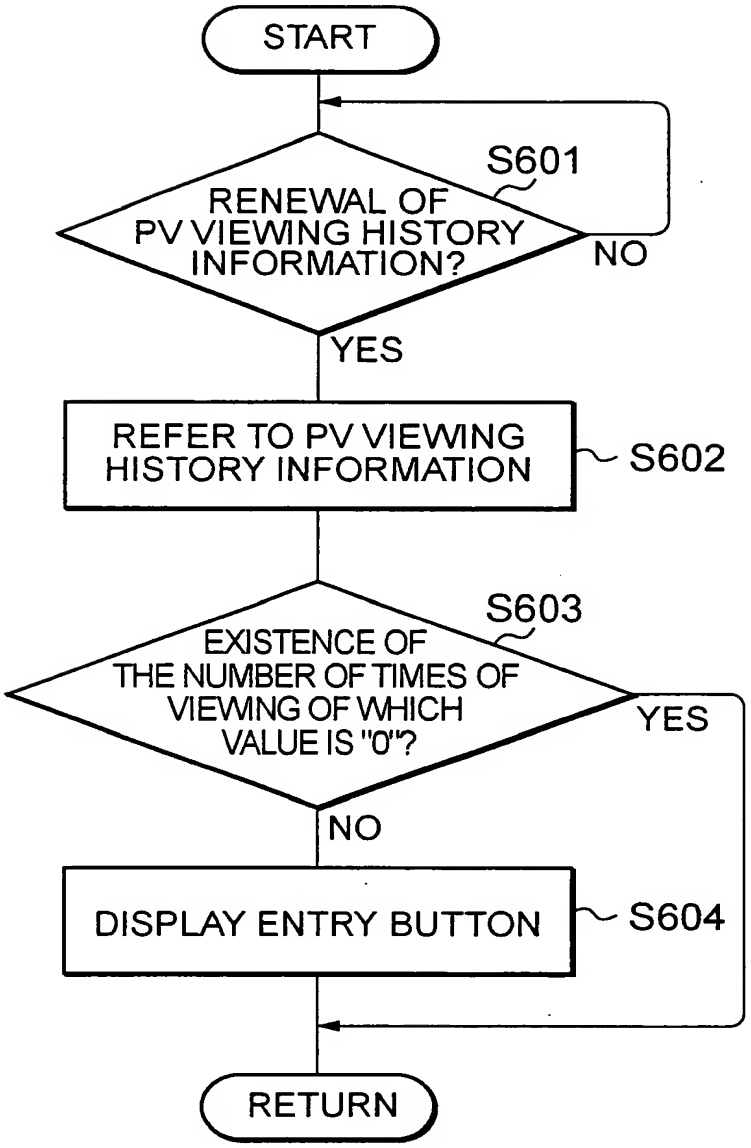

START
S501
RENEWAL OF PV VIEWING HISTORY INFORMATION?
NO
YES
REFER TO PV VIEWING HISTORY INFORMATION
S502
DISPLAY CELL WITHIN MUSIC GAGE AREA, CORRESPONDING TO CONTENT ID OF WHICH VALUE OF THE NUMBER OF TIMES OF VIEWING IS NON-ZERO
S503
RETURN

FIG.20


START
S601
RENEWAL OF PV VIEWING HISTORY INFORMATION?
NO
YES
REFER TO PV VIEWING HISTORY INFORMATION
S602
S603
EXISTENCE OF THE NUMBER OF TIMES OF VIEWING OF WHICH VALUE IS "0"?
YES
NO
DISPLAY ENTRY BUTTON
S604
RETURN